

Triangle Area – May 11

Name:

Use this triangle as a model for questions 1-7.

1) $a = 10$, $c = 20$, $b =$, Area =

2) $a = 3$, $b = 5$, $c =$, Area =

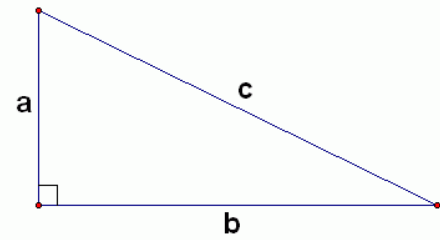
3) $a = 10$, $c = 18$, $b =$, Area =

4) $b = 12$, $c = 17$, $a =$, Area =

5) $a = 4$, $b = 8$, $c =$, Area =

6) $a = 8$, $c = 15$, $b =$, Area =

7) $b = 50$, $c = 100$, $a =$, Area =



$$a^2 + b^2 = c^2$$

Use this triangle as a model for 8-12.

$$a = c/\sqrt{2}$$

$$c = a\sqrt{2}$$

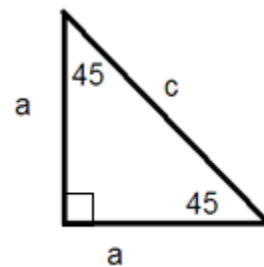
8) $a = 10$, $c =$, Area =

9) $c = 12\sqrt{2}$, $a =$, Area =

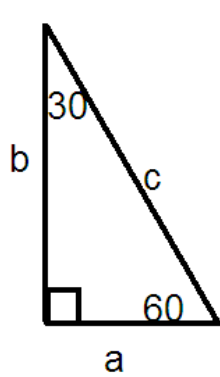
10) $a = 5$, $c =$, Area =

11) $c = 40\sqrt{2}$, $a =$, Area =

12) $c = 10$, $a =$, Area =



Use this triangle for 13-20.



$$c = 2a$$

$$c = 2b/\sqrt{3}$$

$$a = c/2$$

$$a = b/\sqrt{3}$$

$$b = a\sqrt{3}$$

$$b = c\sqrt{3}/2$$

13) $a = 10$, $b =$, $c =$, Area =

14) $b = 12\sqrt{3}$, $a =$, $c =$, Area =

15) $c = 40$, $a =$, $b =$, Area =

16) $a = 4$, $b =$, $c =$, Area =

17) $c = 8$, $a =$, $b =$, Area =

18) $b = 5$, $a =$, $c =$, Area =

19) $a = 14$, $b =$, $c =$, Area =

20) $c = 44$, $a =$, $c =$, Area =